



CWS/CMS Project

Remote Access Setup Guide

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Version 2.1



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1. Installation Instructions for Remote Access



Installation of Windows 95 Environment

1.1. Directories & Files required for WIN95 Installation & Configuration

- Verify that the WSIMAGES Alias has all required sub-directories and they have been installed correctly. These directories & files should have been installed by Boulder NWS.
- The required directories are:
 - RECVPROG Should have the Boot disk images for both the 760L & 380 and other files for the re-image.
 - WIN95REC
 - 760L Should have the ZIP & LFN files for 760L.
 - 380 Should have the ZIP & LFN files for 380 & 380E.
 - CABFILES Should have the ZIP file for Windows 95.
- Copy the Remote Access software and configuration files from the ZIP disk that you have received to the root of the WSIMAGES Alias.
- The required directories are:
 - DialupV2 Has the configuration files.
 - Dialer Has the Dialer, the VPN, and others
 - IBMWIN95 Has the IBM Network Client.
 - REMOTE ACCESS Folder for the Desktop
 - CWS CMS Folder for the Desktop
- You will need to update Access Rights to the WSIMAGES directory structure, since you have added several directories and files.
- Copy of the ASBUILT file to be able to obtain the proper IP addresses for all the servers at the location that you are working at.

1.2. Installation of Windows 95 on Laptop

- Make sure that the current laptop user has either removed or backed up any and all personal files and programs. You will be formatting the hard drive.
- Contact NWS Boulder to obtain the current Password for the RECOVERY User ID before you start this process.
- Write down the Computer Name & the Dial-Up ID for the Laptop that you will be working on. Obtain the existing password for the Dial-Up ID. If you can't obtain this information or you don't know it, contact Boulder Help Desk and have them reset the password for that ID. This information will be necessary when you rebuild the laptop.
- Copy the MSMAIL.INI to a diskette from C:\Windows. You will need to reinstall it after the new image has been completed.
- Boot Laptop with boot diskette and follow the instructions in the Workstation & Laptop Recovery Guide. You want to install both the WIN95 image and the CAB files on all Laptops. Select option #1 for installation. You will want to format the hard drive when prompted to.
- After Windows 95 has been installed, restart Laptop.

1.3. Update CWS Application Code

- Obtain a **CWS User ID** and password for the location that you are working at, that you can use for testing.
- Restart Laptop and log onto the network with this User ID. This should update the **CWS Application** to the current level.
- Open the Explorer, go to C:\CACW and delete CWSCMS.PKG. This will
 cause the CWS Application to be re-installed on this machine.
- Double-click on the CWS Application icon, this will start the re-install process. When this is finished, you should restart Laptop and log onto the network with this User ID. This will update the CWS Application to the current level.
- Make sure that the application runs via LAN before proceeding with the Remote Access Installation process.

1.4. Completion of Initial Configuration

- Restart Laptop
- Log-on as Recovery
- Create a drive mapping for X: to \\server\WSIMAGES, if necessary, check reconnect at log-on.

1.5. Update Mouse Pointer

- Open Explorer and go to X:\DIALUPV2\
- Copy BLKCWS1.CUR to C:\WINDOWS\CURSORS. This will give you a larger & black pointer for the application.
- Open the Control Panel and double-click on the Mouse Icon. Click on the tab for Pointer.
- Double-click on the Normal Select line, this will give you a window to select the new pointer. Select BLKCWS1.CUR and click on Open.
- Click on Apply and then OK. This will install your larger pointer.

1.6. Installation of TCP/IP

- Restart laptop and log-on as Recovery.
- Open the Control Panel, open the Network folder. The following should be displayed in the Configuration page:
 - Client for Microsoft Networks
 - Dial-Up Adapter
 - ◆ IBM Ethernet/Token Ring credit card adapter
 - ♦ IBM Personal Communications LLC2 driver
 - ♦ NetBEUI
- Click Add on the Configuration page
- At the next window, select Protocol and click Add
- In the *Manufacturers* window, select Microsoft
- In the Network Adapters window, select TCP/IP and click OK

- Click **OK** to finish the installation.
- Windows 95 will install all necessary files, it may ask you for Windows 95 disk. Click OK, click on down arrow and select C:\WINDOWS\CABFILES.
- When DHCP Client message window appears, Select No
- When asked to restart the computer for the changes to take effect, select No

1.7. Configure Laptop for Remote Access and LAN Hardware Profiles

- In the Control Panel double-click on the System icon
- Click on the *Hardware Profiles* tab. It should have one entry that says
 Original Configuration. Click on this profile name and click the Copy button
- Name the new profile "LAN-Attached" and click OK
- Click on Original Configuration entry again and press Rename
- Rename this profile to "Remote-Access" and click OK
- Click on the **Device Manager** tab
- Click on the + sign next to **Network adapters**
- Select the Ethernet or Token Ring adapter card and click Properties
- At the bottom of the window, remove the check next to Remote-Access configuration, and verify the LAN-Attached configuration is checked and click OK
- Close all windows and restart the computer. The 380 may freeze up at reboot. If it does, power the machine off and on
- After the machine reboots, a Menu will appear asking which device configuration you wish to boot the machine with, select the LAN-Attached option. On some 380's the system will detect an unknown monitor. If it does, ignore it.
- Log-on as RECOVERY

1.8. Installation and Setup of the IBM Global Network Dialer

- Open Explorer and go to X:\DIALUPV2\DIALER.
- Double-click on SETUP.EXE.
- Click Next for the first two dialer setup windows
- Choose I Agree for the license screen
- Click Next to accept the default directory and path for the install. Window will appear showing install progress
- Click Yes, Continue setup button to continue to setup the dialer
- Click next on the Dialer Setup screen
- Choose Yes, I have a business account and then click Next
- Enter the correct value for the Account and User ID fields for the laptop and click Next. Note that both of these fields use a county specific naming scheme, so be sure the correct values are obtained before continuing. The Account is in the format "CWSCC", CC presents the county number. The User IDs are in the format "XCCSSUU", where X represents user group and goes from A to Z, CC represents the county number, SS represents the site number and UU is the last two digits of the computer name from 01 to 99.
- Select **My Company's Private Intranet** and make sure all three options for the types of servers to access are checked.
- Enter Primary DNS Server of 165.87.194.244 and Secondary DNS Server of 165.87.194.243. Leave the WINS entries blank and click Next
- Click No when asked to enter a WINS server
- Select the right modem for the Remote Access connection and click Next (there should only be one entry to select from because only one modem is installed)
- Click on Change tab in the center of the window
- Choose a local phone number to the area code you are in, and make sure PPP is selected in the protocols and click OK
- Click on Next.
- Select "NO" and press Finish
- Close IBM Global Dialer.

1.9. Enable PWL Validation on the Laptop.

 Open Explorer, go to X:\DIALUPV2\DIALER\ENBLPWD.REG, double-click on ENBLPWD.REG to enable PWL file validation for this laptop

1.10. Install VPN Dialer

- Open Explorer, go to X:\DIALUPV2\DIALER\MSDUN12.EXE and doubleclick.
- Answer Yes to any questions asked and select Yes to restart the system.
- After the machine reboots, a Menu will appear asking which device configuration you wish to boot the machine with, select the LAN-Attached option and log-on as RECOVERY
- You will have to confirm your password.
- The system will go through the rest of the Install/Config process.
- When system asks for WINDOWS 95 disk, click **OK** and point to C:\WINDOWS\CABFILES as prompted to complete the installation, and restart the computer when prompted.

1.11. Additional Installation & Upgrade Processes

- Restart Laptop in LAN-Attached mode
- Answer NO to DHCP message
- Log-on using the Recovery ID
- Rename C:\CONFIG.SYS to C:\CONFIG.V1
- Copy X:\DialupV2\CONFIG.SYS to C:\ [See Appendix for example]
- Copy X:\Dialupv2\WDLS.INI to C:\WINDOWS [See Appendix for example]
- Edit X:\DialupV2\LOGON.BAT to correct the Server name with Domain Controller. [See Appendix for example]
- Copy X:\DialupV2\LOGON.BAT to C:\ (This should have been modified for each location)
- Edit X:\DIALUPV2\DIALER\LMHOSTS with location data from ASBUILT and ASA server if required. - [See Appendix for example]
- Copy the LMHOSTS file from X:\DIALUPV2\DIALER to the C:\WINDOWS directory
- Restart Laptop in LAN Attached mode and log-on as Recovery

1.12. Install IBM Networks Client:

- Open Explorer and go to X:\DIALUPV2
- Copy the IBMWIN95 folder to C:\
- Open Control Panel, open Network Folder
- Click on Add, Click on Client, click on Add
- Click on "Have Disk", click on Browse, go to C:\IBMWIN95, make sure that IBMNET32.INF is in the filename box.
- Click OK, Click OK, Click OK. This installs the IBM Client.
- Highlight IBM Networks Client for Windows 95, Click on Properties, Enter the Domain name (CWSXXXXA) (replace "XXXX" with the site number that you are working on), click on Advanced, remove the check from Enable Automatic System Policy download, click OK.
- Highlight Client for Microsoft Network and click on Properties, remove the check from "Log on to Windows NT domain".
- Click OK
- Leave the Primary Network Log-on as Client for Microsoft Networks.
- Click **OK** and answer **YES** to restart Laptop.
- Start laptop in LAN-Attached, log-on as RECOVERY.
- Delete the IBM Global Network Dialer ICON.
- Copy X:\DialupV2\REMOTE ACCESS to the Desktop.

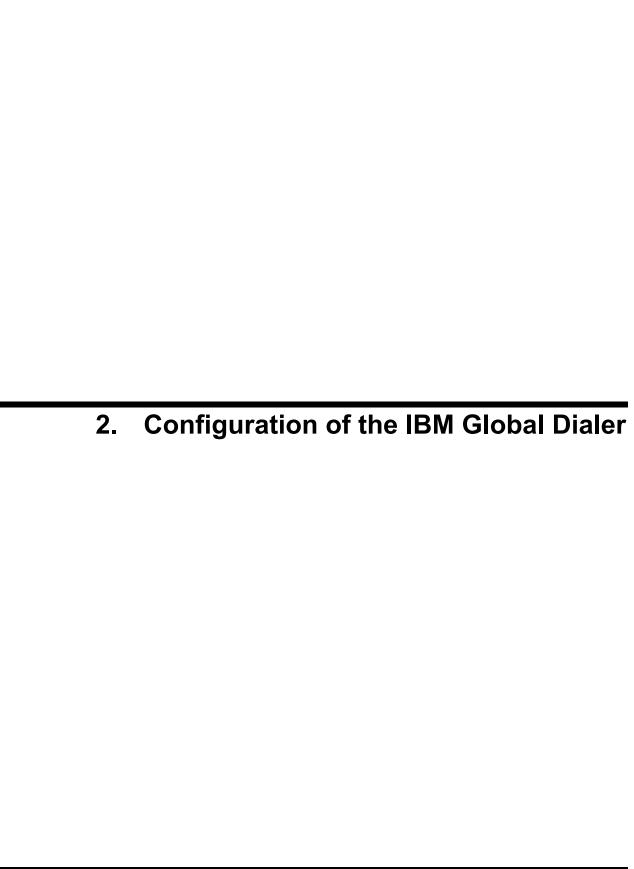


- Delete the existing CWS_CMS folder from the Desktop.
- Copy X:\DialupV2\CWS_CMS folder to the Desktop.



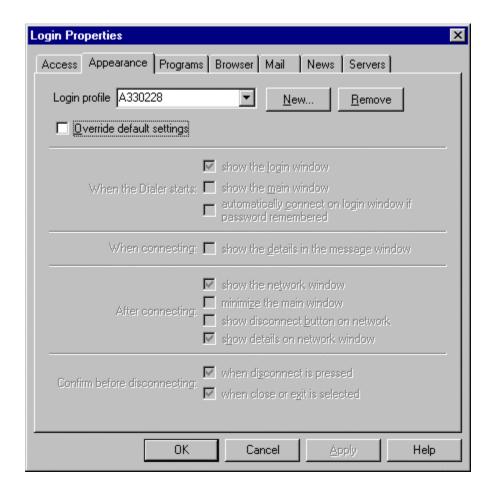
1.13. Installation of Microsoft's Update to Password Caching problem

- Open Explorer, go to X:\DIALUPV2\DIALER\MSPWLUPD.EXE and doubleclick on MSPWLUPD.EXE.
- Click YES
- Click OK on Update Complete screen
- Open the Explorer, disconnect the X: Drive.
- After the installation is complete, restart Laptop in Remote-Access mode and log-on as Recovery

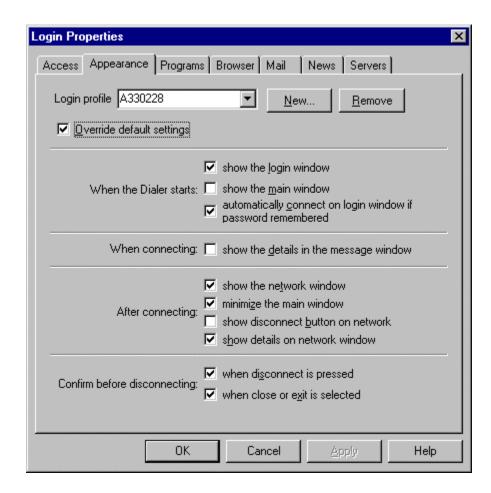


2.1. Configuring the IBM Global Network Dialer

- Open IBM Global Network Dialer in the Remote Access Folder
- Click on Cancel. Click on Network, click on Log-in Properties.
- Choose Appearance on the Tabs at the top of the window.

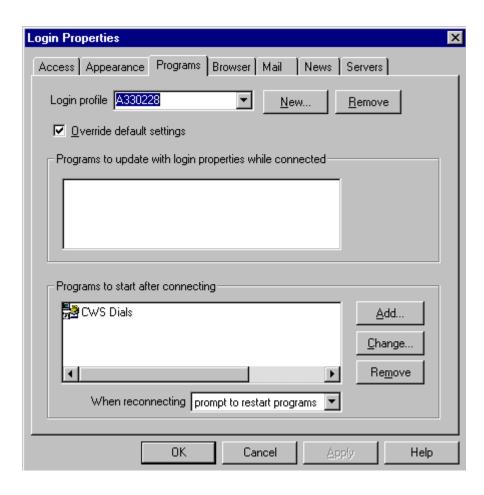






- Under "When the Dialer starts", click on <u>Automatically connect on login window if password remembered.</u>
- Under "After Connecting", click on minimize the main window and show disconnect button on network.

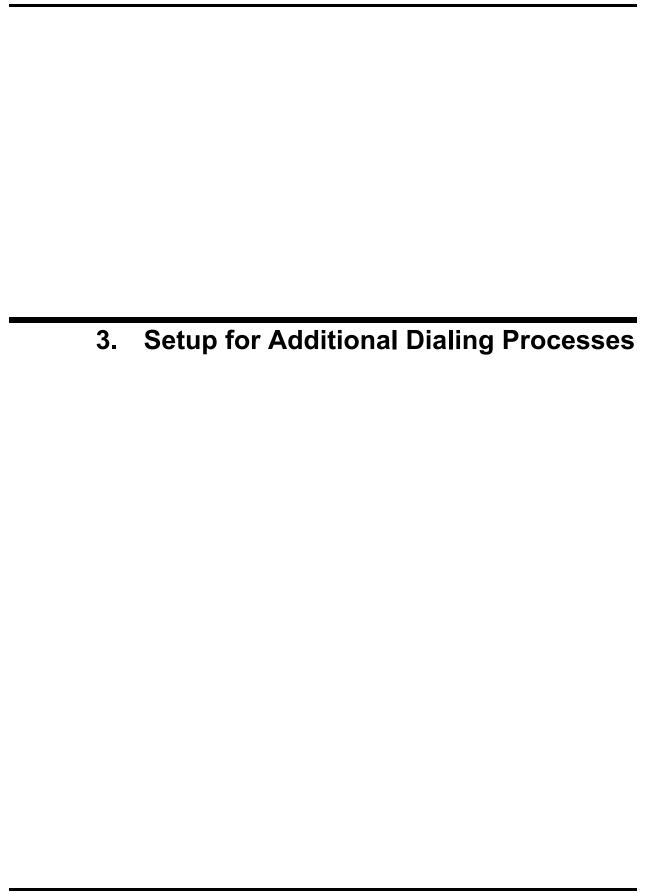
Click OK on the Login Properties screen (see below).



• Close IBM Global Dialer.

2.2. Setup Dialer for Connection and Testing

- Double-click on IBM Global Network Dialer
- Enter the password for the Log-in Profile being used.
- Click on Save Password & Show Details
- Click on Connect. This will dial the local IBM Global Services number.
- Once the connection is made, **CWS Dials** will start.
- If you get the "Name Server Warning" message, click on "Do Not show this warning again"
- If you get dialog box "Latest software updates", click on Cancel. You will be update the software later in this process.
- Disconnect the Global Dialer and close it.
- Restart the Global Dialer again to make sure that everything starts properly.

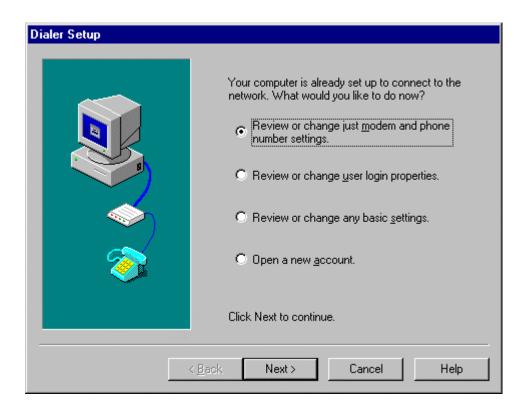


3.1. Additional Dial Locations requirements

- All Laptops will require at least 3 different dialing setup's. They will be:
 - Setup for using a Telephone Calling Card without an access code (e.g. 9)
 - Setup for using a Calling Card with an access code to Dial "9" to get a outside line
 - Setup for using a local phone number call without an access code
 - Setup for using a local phone number with an access code

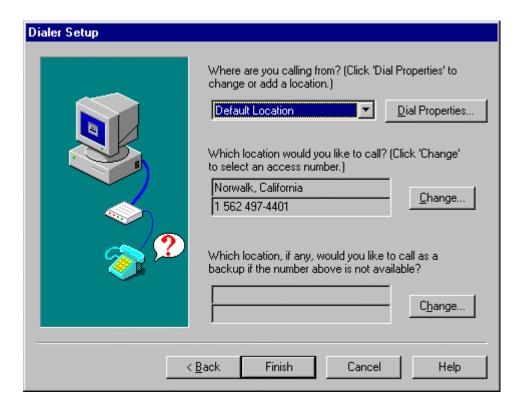
3.2. How to Setup for Calling Cards

- Open IBM Global Dialer, Cancel starting the connection.
- Click on Setup and choose the top selection Review or change just modem & phone number settings

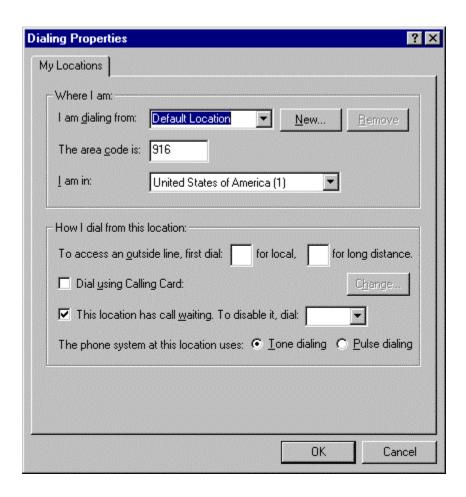


Click on Next on the next 2 screens

Click on Dial Properties



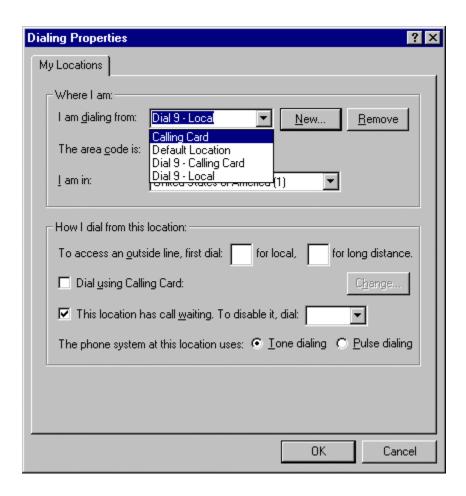
Click on New



Enter the name of the New Location to be used - "Calling Card"

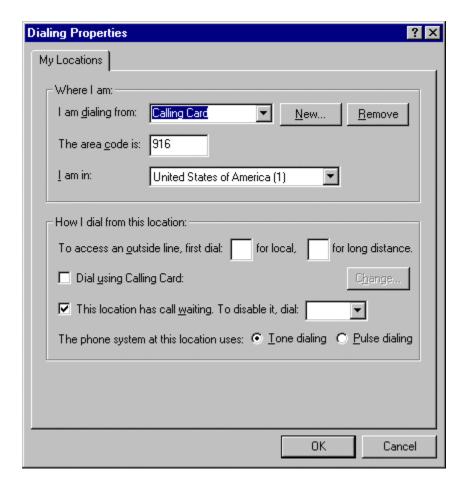


 Continue making new locations for all the possible ones needed. See below for list of locations.



Note: Default Location is a local card without using an access code

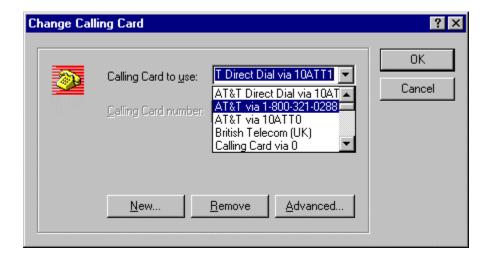
- Select Calling Card location
- Check the box for Dial using Calling Card



 After checking that you want to use a calling card, the following screen will appear. Select the proper calling card to use.



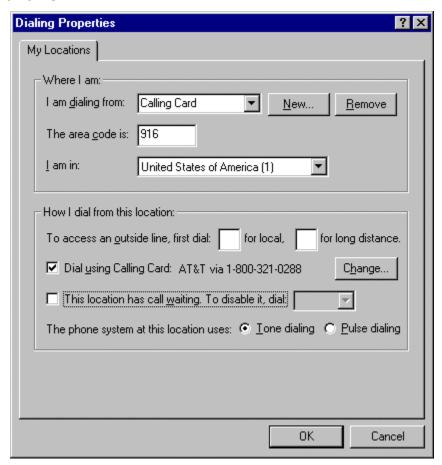
Here is the list of possible calling cards



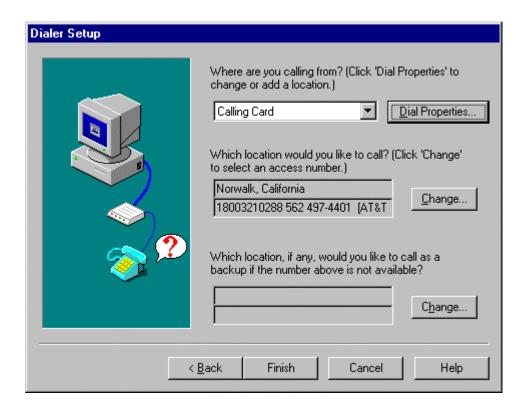
- Select the **Type of Calling Card** that the County or County Employee is going to use
- Enter the **Calling Card Number** from the Employee or several 9's (This is necessary to complete the setup.
- Click **OK**



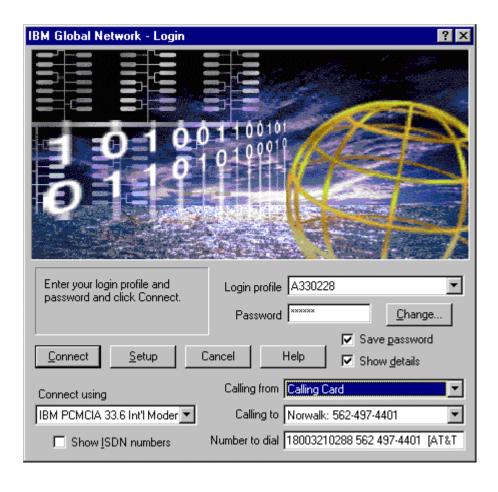
• Click on **OK**



• Click on Finish to complete the setup



 Below is how the Dialer should look after the new Calling from locations have been completed



3.3. How to Setup for Dial "9"

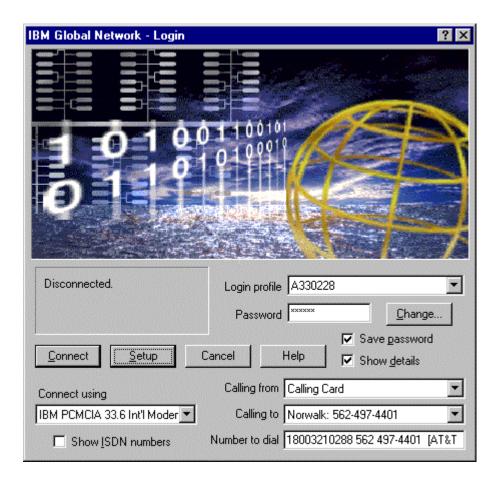
- Repeat the process from setting up for a Calling Card using the Dial 9 -Calling Card location
- Put a "9" in both Local and Long Distance
- Check "Dial using Calling Card"
- Uncheck the box on Call Waiting
- Click on **OK** and **Finish** to complete

3.3.1. Repeat the process for Dial 9 - Local

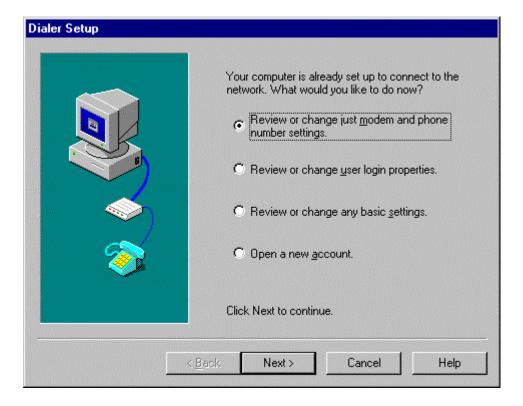
- Put a "9" in both Local and Long Distance
- Click on **OK** and **Finish** to complete

3.4. How to Change Dialing Phone Numbers

Click on Setup

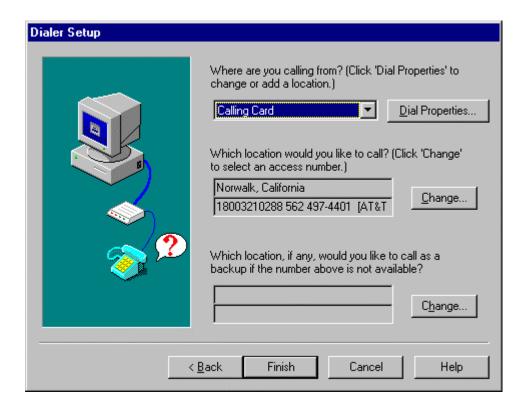


• Click on Next

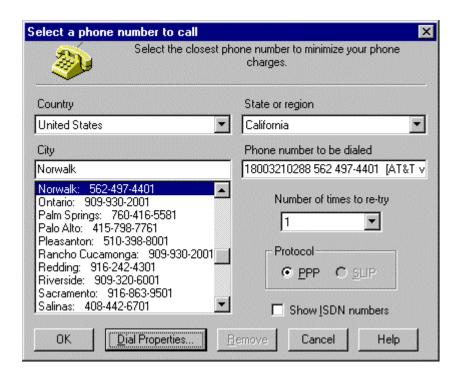


Click on Next on the Modem List screen

Click on the Change Tab next to the Phone number box

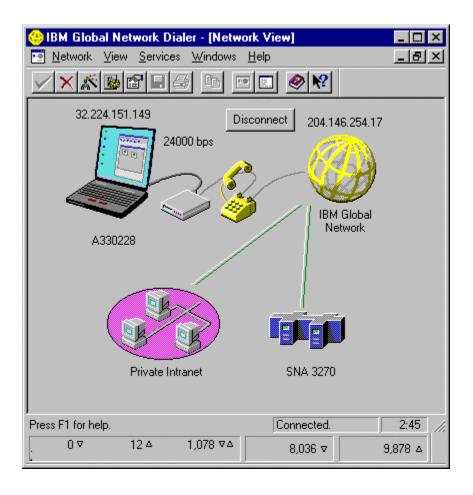


- Find the location that is closes to your site and click on it. This will put the correct phone number in Phone Number to be called box
- Click on **OK** and then Click on **Finish** on the next screen. This will complete
 the permanent change of phone numbers.



3.5. How to Update the Dialer Program & Phone lists

- From the screen below click on Services on the Toolbar at the top of the screen
- Click on Check for Updated Software from the drop-down menu



 Put check mark in one or both of the boxes as appropriate, either for the Dialer program or the Phone list. Most likely the Dialer program will be current but the Phone list is constantly changing. You should probably update this before you finish with the machine.



Note: Updating the dialer program will take about 30 - 40 minutes, should be the last thing that you do.



4.1. E-Mail Setup Configuration

- Copy MSMAIL.INI from your diskette to C:\Windows.
- Get **Mail Userid** and password.
- While logged onto the **LAN**, double-click on **Mail** icon.
- Log into Mail and make sure that it is working properly.

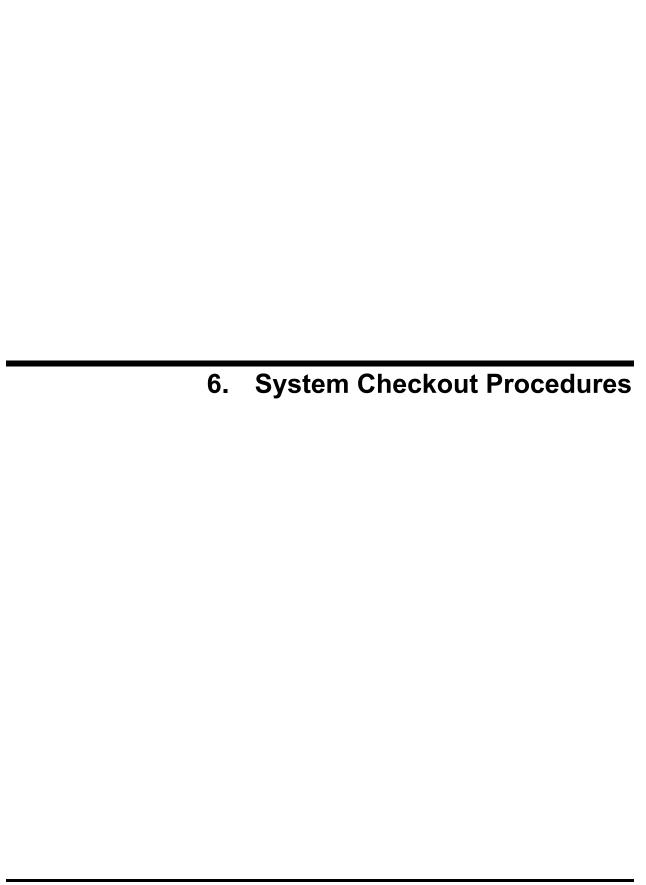
	5.	Printer Setup
		•

5.1. Printing to your Network printer in the office - LPT2

- We have setup HP IIID print driver on each machine. This printer should be used for printing while in the office. This will be coded as "Office Printer".
- When you are connected via Remote-Access, you can still print to your office printer. Select the printer marked "Office Printer" in the application and continue with your printing.
- This is the only printer that you can use in the office. The CWS/CMS application as been tested with this printer.

5.2. Printing to a Locally Attached Printer - LPT1

- All laptops will support a locally attached printer connected to the physical parallel port on your computer.
- The printer configuration provided will allow any printer that has been configured as a Hewlett Packard IIID printer to print correctly using this computer. Should a printer that is not setup in this manner be connected, there may be unpredictable printer output when it is used.
- This feature has been enabled on all laptop computers and requires no special configuration from a user to make this function work other than physically connecting a printer and selecting the printer marked "Local Printer".



6.1. System Checkout procedures

- Verify that a working configuration of the CWS application is installed on this laptop
- Start the CWS application and log-in
- Verify that the laptop has been booted up with the **Dial-up** configuration profile
 - Open a DOS prompt, issue the DOS command "SET". Check to make sure that REMOTE=DIAL is set.
- Open the Remote Access folder and start the IBM Global Network Dialer
- Start the CWSDIALS with USERID DIALUP and password LETME1N
 - This should default to the **DIALUP** user ID and the password should already be entered.
- Start the CWS CMS Application.
 - Everything should be functional with the exception of the external interfaces
- Start MS-Mail to make sure that it tries to find the Postoffice
- Make sure that there is network printer mapped for each laptop.
- Empty the Recycle Bin



7.1. Copy of CONFIG.SYS

[MENU]

menuitem=Dial-Up, Dial-up menuitem=LAN Attached, LAN Attached menudefault=LAN Attached[,30]

[COMMON]

DOS=HIGH

DEVICE=C:\WINDOWS\HIMEM.SYS
DEVICE=C:\WINDOWS\SETVER.EXE

[DIAL-UP]

SET REMOTE=DIAL

[LAN ATTACHED]
SET REMOTE=LAN

[COMMON]

7.2. Example of LOGON.BAT

cd \

\\d3302001\netlogon\profile.bat

7.3. Example of LMHOSTS

7.4. Copy of WDLS.INI

[MENU]

User=1

Applications=0

Drives=0

Printers=0

Messages=0

Help=1

[MainWindow]

HideMainWindows=1

ShowNormalAtStartup=0

ShowNormalAtLogon=0

LogonAtStartup=0

Toolbar=1